

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

032301.440

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)  
**107268012**  
 To Be Assigned

INTERNATIONAL APPLICATION NO.  
PCT/EP2004/006719

INTERNATIONAL FILING DATE  
22 June 2004 (22.06.2004)

PRIORITY DATE CLAIMED  
13 August 2003 (13.08.2003)

**TITLE OF INVENTION**      **Carrier Based on Granules Produced from Pyrogenically Prepared Silicon Dioxides**

APPLICANT(S) FOR DO/EO/US NEUGEBAUER, Peter et al.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☒ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

**Items 11 to 20 below concern document(s) or information included:**

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A preliminary amendment.
14. ☐ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.
18. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

1AP20 REG 2 PCT/PTO 10 FEB 2006

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/388012</b> To Be Assigned	INTERNATIONAL APPLICATION NO. PCT/EP2004/006719	ATTORNEY'S DOCKET NUMBER 032301.440
20. Other items or information: International Search Report, Written Opinion, International Publication No. WO 2005/016823 A1, Forms PCT/IB/304 and PCT/IB/308, Notification of the Recording of a Change, Notification Relating to Declaration Made Under PCT Rule 4.17, Certificate of Mailing, and Return Receipt Postcard		
The following fees are submitted:		<b>CALCULATIONS</b> <b>PTO USE ONLY</b>
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)).....\$300		\$ 300
22. <input checked="" type="checkbox"/> Examination Fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US to the international preliminary examination report prepared By IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....\$0 All other situations .....\$200		\$ 200
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion prepared by ISA/US to the international preliminary examination report prepared By IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....\$0 Search fee (37 CFR 1.445(a)(2) has been paid on the international application to the USPTO as an International Searching Authority .....\$100 International Search Report prepared by an ISA other than the US and provided in the Office or previously communicated to the US by the IB.....\$400 All other situations .....\$500		\$ 500
<b>TOTAL OF 21, 22 and 23 =</b>		<b>\$ 1,000</b>
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821 (c) or (e) computer program listing filed in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.		
Total Sheets	Extra sheets	RATE
- 100 =	0/50 =	x \$250
		\$ 0
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).		\$
CLAIMS	NUMBER FILED	NUMBER EXTRA
Total claims	38 - 20	18
Independent claims	8 - 3	5
		x \$50
		x \$200
MULTIPLE DEPENDENT CLAIM(S) (if applicable)		+ \$360
<b>TOTAL OF ABOVE CALCULATIONS =</b>		<b>\$ 1,900</b>
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.		\$
<b>SUBTOTAL =</b>		<b>\$ 2,900</b>
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).		\$
<b>TOTAL NATIONAL FEE =</b>		<b>\$ 2,900</b>
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		\$
<b>TOTAL FEES ENCLOSED =</b>		<b>\$ 2,900</b>
		Amount to be refunded:
		\$
		Amount to be charged:
		\$

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- a. ☒ A check in the amount of \$ 2,900.00 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☐ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment of Deposit Account No. \_\_\_\_\_. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charge to a credit card. **WARNING** : Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.37(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Customer No. 25461

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SIGNATURE

Robert G. Weilacher

NAME

20,531

REGISTRATION NUMBER

10/568012

**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.10** 10 FEB 2006

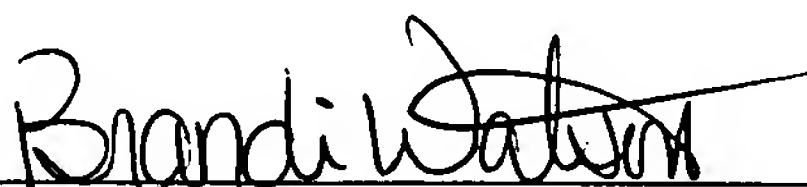
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as express mail in an envelope addressed to:

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on February 10, 2006

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Signature

Brandi Watson

Inventor(s): NEUGEBAUER, Peter et al.  
Serial No.: To Be Assigned (National Phase of PCT/EP2004/006719)  
Filing Date: Concurrent Herewith  
Title: Carrier Based on Granules Produced from Pyrogenically Prepared Silicon Dioxides  
Atty. Dkt. No.: 032301.440

The correspondence includes the following documents:

- 1) \$2,900.00 Check;
- 2) Transmittal Letter to US DO/EO/US (3 pages);
- 3) Description, including Specification (47 pages), Claims (7 pages), and Abstract (1 page);
- 4) Copies of PCT Request and International Application as filed (64 pages);
- 5) Declarations of Inventorship and Form PCT/IB/371 Notification Relating to Declaration Made Under PCT Rule 4.17 (4 pages);
- 6) International Publication No. 2005/016823 A1 (64 pages);
- 7) Forms PCT/IB/304, PCT/IB/306, and PCT/IB/308 (3 pages);
- 8) Written Opinion (4 pages);
- 9) International Search Report (4 pages);
- 10) Information Disclosure Statement and Form PTO/SB/08a with 4 cited foreign patent references (61 pages);
- 11) Certificate of Mailing Under 37 CFR 1.10 (1 page); and
- 12) Return Receipt Postcard.